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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/590,082

08/21/2006

Bernard Dubourg

4590-564

4160

33308

7590

10/13/2009

LOWE HAUPTMAN HAM & BERNER, LLP
1700 DIAGONAL ROAD, SUITE 300
ALEXANDRIA, VA 22314

EXAMINER

TRAN, DALENA

ART UNIT

PAPER NUMBER

3664

MAIL DATE

DELIVERY MODE

10/13/2009

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/590,082	DUBOURG, BERNARD	
	Examiner	Art Unit	
	Dalena Tran	3664	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
10590082	8/21/06	DUBOURG, BERNARD	4590-564

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ALEXANDRIA, VA 22314

EXAMINER

Dalena Tran

ART UNIT	PAPER
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3664	20091009
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DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

Art Unit: 3664

DETAILED ACTION

Notice to Applicant(s)

1. This application has been examined. Claims 1-13 are pending.

The prior art submitted on 8/21/06, and 4/14/09 has been considered.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-4, and 6-7, are rejected under 35 U.S.C. 102(b) as being anticipated by Amano et al. (6272404).

As per claim 1, Amano et al. disclose an optoelectronic taxi-assistance device for aircraft in an airport, device comprising : a head-up display and a computer dedicated to head-up display, computer including means for displaying on the head-up display safety symbols concerning either the position of the aircraft on the airport taxiways or the maneuver to be performed by the aircraft on said taxiways, characterized in that, if the aircraft turns, the safety symbols include an arrow of variable size (see columns 7-8, lines 31-42).

As per claim 2, Amano et al. disclose the length of the arrow is maximum when entering the turn and zero when coming out of the turn (see column 8, lines 5-42).

As per claim 3, Amano et al. disclose the safety symbols also include, on both sides of the arrow, a first indication relating to the taxiway on which the aircraft is located before the turn

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and a second indication relating to the taxiway located on coming out of the turn (see column 8, lines 5-42).

As per claim 4, Amano et al. disclose the safety symbols include a first symbol representing the width of the taxiway and a second symbol representing the width of the main landing gear, the widths of the first symbol and of the second symbol being represented with the same scale, the position of the second symbol relative to the first symbol being representative of the real position of the landing gear on the taxiway (see columns 8-9, lines 44-45).

As per claim 6, Amano et al. disclose the safety symbols also include, on both sides of the first symbol, two alarm symbols which flash when the landing gear is very close to the edge of the taxiway (see column 6, lines 9-65).

As per claim 7, Amano et al. disclose the second safety symbol flashes when the landing gear is very close to the edge of the taxiway (see columns 5-6, lines 35-8).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 5, and 8-11, are rejected under 35 U.S.C.103(a) as being unpatentable over Amano et al. (6272404) in view of Uhlenhop et al. (5745863).

As per claim 5, Amano et al. do not disclose the first symbol is a rectangle including a central bar symbolizing the axis of the taxiway and the second symbol is composed of two

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oblong shapes. However, Uhlenhop et al. disclose the first symbol is a rectangle including a central bar symbolizing the axis of the taxiway and the second symbol is composed of two oblong shapes (see columns 3-4, lines 24-25). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Amano et al. by combining the first symbol is a rectangle including a central bar symbolizing the axis of the taxiway and the second symbol is composed of two oblong shapes for clearly determine aircraft position in runway.

As per claims 8-9, Uhlenhop et al. disclose the safety symbols include an arresting barrier, arresting barrier occupying a precise and constant virtual position on an airport taxiway; and the arresting barrier includes at least one stand surmounted by a grille composed of inclined and parallel bars between two horizontal bars (see column 4, lines 7-25).

As per claim 10, Amano et al. disclose the safety symbols also include at least a first stop indicator and an indication of the distance separating the aircraft from the virtual position of the arresting barrier (see columns 5-6, lines 35-8).

As per claim 11, Amano et al. disclose the safety symbols also include at least a first and a second stop indicator-flashing when the distance separating the aircraft from the virtual position of the arresting barrier is less than a set value (see column 6, lines 9-65).

6. Claims 12-13, are rejected under 35 U.S.C.103(a) as being unpatentable over Amano et al. (6272404), and Uhlenhop et al. (5745863), and further in view of Vandevoorde et al. (6246342).

As per claims 12-13, Amano et al. do not disclose stop indicators are displayed in reverse video. However, Vandevoorde et al. disclose the stop indicators are the word STOP; wherein

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the stop indicators are displayed in reverse video (see column 2, lines 25-60; and column 3, lines 16-24). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teach of Amano et al. by combining stop indicators are displayed in reverse video for airport traffic control.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

. Sankrithi et al. (6405975)

. Walter (6731226)

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dalena Tran whose telephone number is 571-272-6968. The examiner can normally be reached on M-W (in a first week of a bi-week), and T-R (in a second week of bi-week) from 7:00AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Khoi H. Tran can be reached on 571-272-6919. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Dalena Tran/

Primary Examiner, Art Unit 3664

October 9, 2009